

frequency converting at least said first received block of signals to a different frequency band;

simultaneously applying said frequency-converted first block of signals and said second block of signals to the coaxial cable;

simultaneously communicating said frequency-converted first block of signals and said second block of signals through the cable;

recovering the frequency-converted first block of signals and the second block of signals from the cable;

further frequency converting said recovered first block of signals to a frequency range the satellite receiver can receive; and

switching, under control of said satellite receiver, between said further frequency-converted first block of signals and said second block of signals for application to said satellite receiver.

23. (Amended) The method of claim 22 wherein said switching step ~~comprising~~ comprises operating an electrical switch.

24. (Amended) A method of distributing broadcast signals received from an artificial satellite comprising:

receiving a first polarized block of signals and a second polarized block of signals from the artificial satellite;

frequency converting at least one of said first block of signals and said second block of signals to different frequencies;

after processing by the frequency converting step, applying said first and second blocks of signals; to a coaxial cable such that the same coaxial cable carries both said first block of signals and said second block of signals simultaneously;

recovering said first block of signals and said second block of signals from the coaxial cable; and

selecting between said first block of signals and said second block of signals for application to a satellite receiver.

25. (Amended) The method as in claim 24 wherein said selecting step comprises electrically switching between said first block of signals and said second block of signals for application to said satellite receiver.

26. (Amended) The method of claim 24 wherein said satellite receiver alternately uses first polarity type signals or second polarity type signals at a time, and said selecting step selects only the first polarity type block of signals or second polarity type block of signals at a time for application to said satellite receiver.

27. (Amended) The method of claim 24 wherein said satellite receiver is coupled via a wire to an input source, and said selecting step selects between said first block of signals and said second block of signals for application to said wire.

28. (Unamended) The method of claim 24 wherein said frequency converting step comprises a down conversion.

29. (Unamended) The method of claim 24 wherein the frequency converting step comprises an up conversion.

30. (Unamended) The method of claim 24 wherein the frequency converting step comprises a down conversion followed by an up conversion.

31. (Amended) The method of claim 24 further including ~~providing~~ further frequency converting said at least one of said first block of signals and second block of signals for application to said satellite receiver.

32. (Amended) A satellite broadcasting system comprising:  
a satellite dish;  
a low-noise block converter coupled to the satellite dish;  
a head-in processor that receives, from the low-noise block converter, both a vertical polarization type block of satellite signals and a horizontal polarization type block of satellite signals and applies both said vertical polarization type block of satellite signals and said horizontal polarization type block of satellite signals simultaneously to the same distribution cable; and

a head-out processor adapted for, in use, being coupled to a satellite receiver of the type that alternately receives vertical polarization type satellite signals and horizontal polarization type satellite signals, said head-out processor being coupled to said distribution cable, said head-out processor selecting between said vertical polarization type block of satellite signals and said horizontal polarization type block of satellite signals being carried by said distribution cable for application to said satellite receiver.